



KOHAT UNIVERSITY OF SCIENCE AND TECHNOLOGY, KOHAT
Kohat 26000 Khyber Pakhtunkhwa, Pakistan (Ph: 0922-52914714, 52914627 - Ext: 4714)

Name of Firm/ Bidder						
Phone/ Mobile Number						
Address						
NTN/ CNIC Number						
GST Number						
Call Deposit Amount						
Call Deposit No. & Date						
Tender Applied For	Purchase of IT Equipments and Telephone Exchange for Hangu Campus					
Unit Rate for Kohat Basis (PKR)						
S.No.	Item Type	Quantity	Per Unit Cost (Including Income Tax) PKR	Total Cost without GST	GST Amount	Total Cost (Including GST) PKR
1	UTP Cable CAT-VI 305 meter Roll	20				
2	1 Meter CAT-VI Patch Cord	189				
3	3 MeterCAT-VI Patch Cord	189				
4	24 Port CAT-VI Patch Panel	7				
5	48 Port CAT-VI Patch Panel	2				
6	Face Plate with Backbox	130				
7	CAT-VI RJ-45 I/O	189				
8	Telephone RJ-11 I/O	17				
9	UTP Node testing	189				
10	Cable Manager	9				
11	30 U Cabinet	5				
12	42U Cabinet	1				

13	PDU	8				
14	DUCT 25x25 mm (10 Feet) Imported	17				
15	Duct 60x60 mm (10 Feet) Imported	40				
16	DUCT Pvc /HD pipe 2 " (10 Feet) Imported	30				
17	48 Port Network Switch	2				
18	24Port Network Switch	7				
19	Next Ganagerion Firewall	1				
20	Server System	2				
21	Access Point	15				
22	Wireless Controller	1				
23	UPS 1 KVA with battery bank	8				
24	UPS 10 KVA with battery bank	2				
25	CCTV NVR	1				
26	Storage	1				
27	CCTV Camera	12				
28	LED Display	1				
29	Cat 6 Cable	5				
30	Ducts 25x25mm	60				
31	Installation	1				
32	Desktop PC	115				
33	Apple Desktop	8				
34	Laptop	2				
35	Printer	6				

36	Multimedia Projector screen	8				
37	Photocopier	1				
38	Multimedia Projector 5400 lumens with	1				
39	IP PBX Exchange	1				
40	IP Set	10				
41	Analog Set	10				
42	50 Pair Cable per meter	300				
43	200 Pair Connection	1				
44	50 pair connection box	2				
45	2 pair cable for exchange to (RJ11) IO's	20				

Total Bid Cost

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Technical Specification for the above mentioned Items

1	UTP Cable CAT-VI 305 meter Roll		Cat-6 23AWG ,Copper			
2	1 Meter CAT-VI Patch Cord		Cat-6 23AWG ,Copper , Dual side boot			
3	3 MeterCAT-VI Patch Cord		Cat-6 23AWG ,Copper , Dual side boot			
4	24 Port CAT-VI Patch Panel		Fully Loaded with Tool Less Cat6 I/O			
5	48 Port CAT-VI Patch Panel		Fully Loaded with Tool Less Cat6 I/O			
6	Face Plate with Backbox		Dual I/O Face Plate			
7	CAT-VI RJ-45 I/O		Tool Less Cat6			
8	Telephone RJ-11 I/O		Fully Copper,			
9	UTP Node testing		Node Testing using Fluke Meter			
10	Cable Manager		Manage 48 Cable in Cabinet			
11	30 U Cabinet		Floor Standing with front Glass Door, Dual Fan			
12	42U Cabinet		Imported Floor Standing with front Glass Door, Quad Fan .			
13	PDU		40Ampere Supported Power Distribution Unit, UK Standard			
14	DUCT25x25 mm (10 Feet)		Imported			
15	DUCT60x60 mm (10 Feet)		Imported			
16	DUCTPvc /HD pipe 2 " (10 Feet)		Imported			

17	48 Port Network Switch	Gigabit, POE, 4SFP Modules, True stacking Up to 8 units in a stack. Up to 416 ports managed as a single system with hardware failover, Support graphical interfaces reduce the time required to deploy, troubleshoot, and manage the network, Advanced Layer 3 Traffic Management, High-Power Power over Ethernet Plus (PoE+), Support for up to 4096 VLANs simultaneously Port-based and 802.1Q tag-based VLANs MAC-based VLAN, Management VLAN, Wirespeed routing of IPv4 packets Up to 2K (2048) static routes and up to 256 IP interfaces
18	24Port Network Switch	Gigabit, POE, 4-SFP Modules, True stacking Up to 8 units in a stack. Up to 206 ports managed as a single system with hardware failover, Support graphical interfaces reduce the time required to
19	Next Generation Firewall	Provides firewall, VPN, intrusion prevention, antivirus, data leak prevention, bandwidth management, Anti-DDoS, URL filtering, and anti-spam functions, Obtains the latest threat information in a timely manner for accurate detection and prevention of vulnerability exploits and web attacks, such as cross-site scripting and SQL injection attacks, Supports IPv4 static routes, policy-based routing, routing policies, multicast, RIP, OSPF, BGP, and IS-IS. Supports IPv6 static routes, policy-based routing, routing policies, RIPng, OSPFv3, BGP4+, and IPv6 IS-IS, Data Leak Prevention, Behaviour and Content Audit, Intelligent Uplink Selection, VPN Encryption, SSL Encrypted Traffic Detection, User Authentication, CPU attack defence
20	Server System	Chassis with up to 8, 3.5" Hard Drives, Software RAID 02x Processor Intel® Xeon® E5-2640 v4 2.4GHz, 25M Cache, 8.0GT/s QPI, Turbo, HT, 10C/20T (90W) Max Mem 2133MHz Processor Thermal Configuration 2 CPU Memory Configuration Type Performance Optimized Memory 2x16GB RDIMM, 2666MT/s, Dual Rank 2 RAID RAID 5 for S130 (up to 4 SATA HDDs or SATA SSDs) Hard Drive 3x480GB SSD SATA Read Intensive 6Gbps, 2.5in Hot-plug AG Drive, 3.5in HYB CARR AG Embedded Systems Management iDRAC8 Express, integrated Dell Remote Access Controller, Express 1 Internal Optical Drive Rack Rails Power Supply Dual, Hot-plug, Redundant Power Supply (1+1), 750W, 21.5 inch LED, Keyboard and Mouse
21	Access Point	802.11b/g/n/ac Dual Band Wireless, POE supported, Wireless Controller Integration, Manageable through Physical controller, 200 Concurrent User Support
22	Wireless Controller	numbers of AP supported 150, Authentication Support 802.1x, local database, Open, Active Directory, RADIUS and LDAP. Management Protocol SNMP v3. 4000 client per unit, Captive Portal. Tunneled and Local Breakout
23	UPS 1 KVA with battery bank	Pure Synwave, Online Standard with Long Backup time
24	UPS 10 KVA with battery bank	10Kva Backup. Topology: True Online or double conversion Pure Sine wave. Power Input 120-270V, Power Output 220-240, Surge Protector, AVR, Battery Backup standard and long
25	CCTV NVR	16Port (IP) up 8MP Camera Supported, POE Support
26	Storage	4TB Sata 6GB/s, Surveillance Hardisk
27	CCTV Camera	5MP IP UHD, POE Camera, Bullet
28	LED Display	65 inches, 4K Supported with 03 HDMI ports

29	Cat 6 Cable	23AWG, Fully Copper, 305m Roll
30	Ducts 25x25mm	Imported
31	Installation	Cabling, Ducting and camera installation
32	Desktop PC	Core i5 , 8GB Ram, 256GB SSD, 21.5 LED, Keyboard and Mouse
33	Apple Desktop	21.5" IPS LED ,Core i5, 8GB Ram , 1TB Hardisk, MacOS X Lion , keyboard and Mouse
34	Laptop	Core i5 8th Generation, 8GB ram , 256GB SSD, 14" LED, Bag
35	Printer	Laserjet Multifunction Printer ,monochrome, 24ppm, Single Unit Cartridge
36	Multimedia Projector screen	Projector 3300 lumens , WXGA with 10x8 motorized Screen
37	Photocopier	Photo Copier, USB flash drive print and scan, 600 dpi, upto 1000 sheet capacity, 36PPM
38	Multimedia Projector 5400 lumens with motorized screen	5400 lumens FHD with 13x10 motorized screen
39	IP PBX Exchange	IP PBX Configuration of 40 licenses and capacity can support up to 1000 users for future expansion. 24FXO ports and one E1 port 16 two line IP phone with color display and Gig Interface and CLI supported 600 analog with CLI display support Rack for the mounting of system Latest features built in conference in IPPBX to support 12 parties in a conference. IPPBX should support the convergence of IP and analog system.
40	IP Set	IP based , Dial-by-name, voicemail, programmable shortcut keys
41	Analog Set	Telephone sets, with CLI support
42	50 Pair Cable per meter	Cable For Analog Telephone Connectivity
43	200 Pair Connection box/MDF	Cable For Analog Telephone Connectivity
44	50 pair connection box/MDF	Imported for termination of 2 pair cables
45	2 pair cable for exchange to (RJ11) IO's	From MDF to (RJ11) IO's

Convener
University Purchase Committee